## Rec'd PCT/PTO 02 JUL 2004

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property Organization International Bureau



#### 

### (43) International Publication Date 17 July 2003 (17.07.2003)

#### **PCT**

# (10) International Publication Number WO 03/057446 A1

(51) International Patent Classification7: B29C 45/14

(21) International Application Number: PCT/NL03/00016

(22) International Filing Date: 10 January 2003 (10.01.2003)

(25) Filing Language:

Dutch

(26) Publication Language:

English

(30) Priority Data: 1019729

11 January 2002 (11.01.2002) NL

(71) Applicant (for all designated States except US): CORUS TECHNOLOGY BV [NL/NL]; P.O. Box 10000, NL-1970 CA IJmuiden (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): VAN DER AA,

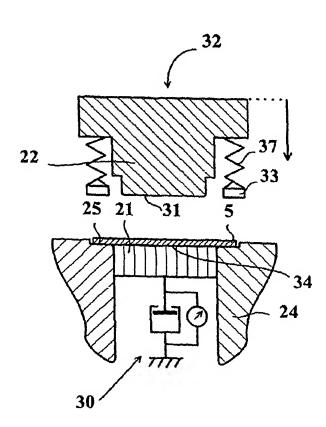
Hendrikus, Christianus, Engelbertus [NL/NL]; Duvenvoordestraat 45 zw, NL-2013 AC Haarlem (NL). VERDIER, Anthony, Stephan [NL/NL]; Driedistel 42, NL-1954 Le Heemskerk (NL). DE WOLF, Hugo, Gerrit, Jan [NL/NL]; Van Zeggelenplein 19, NL-2032 KA Haarlem (NL).

(74) Agent: KRUIT, Jan; Corus Technolgy BV, P.O. Box 10000, NL-1970 CA IJmuiden (NL).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

[Continued on next page]

(54) Title: METHOD AND DEVICE FOR PRODUCING A COMPOSITE PRODUCT, AND COMPOSITE PRODUCT PRODUCED THEREWITH



(57) Abstract: A method for producing a composite product comprising a plastic body and a covering layer formed from a metal blank (5) which at least over part of its surface is stuck to the plastic body, wherein - the metal blank (5) is placed in a die, which die comprises a blank holder (24), a mandrel (22) which can move with respect to the blank holder (24), and a support die (21), - the die is closed, so that the support die (21) and the mandrel (22) are located on either side of the metal blank (5), and the metal blank is supported in the vicinity of its edge with the aid of the blank holder (24), - a liquid plastic is injected into the die, the liquid plastic being brought into contact with the preformed metal blank (5), - the liquid plastic being converted into a solid plastic body which is stuck to the preformed metal blan (5)k in order to produce the composite product, the composite product is removed form the die.

WO 03/057446 A1